

ABSTRACT OF THE DISCLOSURE

Security of an information processing apparatus is ensured by performing biological information authentication and collecting the environment information about the information processing apparatus. The information processing apparatus transmits the collected environment information to a first authentication apparatus. An electronic certificate issued by a second authentication apparatus and information encrypted with a secret key issued by the second authentication apparatus are transmitted to the first authentication apparatus. The first authentication apparatus acquires the public key of the second authentication apparatus and the public key of the information processing apparatus so as to decrypt the encrypted information, and judges whether or not the decrypted information is proper. The first authentication apparatus refers to an environment information database and the transmitted information, and judges whether or not the transmitted environment information is proper. When all the authentications by the biological information authentication, environment information authentication and electronic certificate authentication are successful, the information processing apparatus is judged to be safe.